

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/002155

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05B33/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 967 590 A (HEWLETT PACKARD CO) 29 December 1999 (1999-12-29)	1,2,5,8
A	paragraph '0013! - paragraph '0024!; figure 1	3,4,6,7
X	ANONYMOUS: "Driver for supplying a pulsating current to Light Emitting Diodes" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 378, no. 14, October 1995 (1995-10), XP007120633 ISSN: 0374-4353 paragraph '0002!; figure 1	1,2,7,8

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents:**

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

24 September 2004

Date of mailing of the international search report

04/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MIRIBEL-CATALA P LI ET AL: "An integrated digital PFM DC-DC boost converter for a power management application: a RGB backlight LED system driver" IECON-2002. PROCEEDINGS OF THE 28TH. ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY. SEVILLA, SPAIN, NOV. 5 - 8, 2002, ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY, NEW YORK, NY : IEEE, US, vol. VOL. 1 OF 4. CONF. 28, 5 November 2002 (2002-11-05), pages 37-42, XP010633128 ISBN: 0-7803-7474-6	1,8
A	page 38, left-hand column, line 14; figure 2	2-7
X	----- US 5 736 881 A (ORTIZ JOE A) 7 April 1998 (1998-04-07)	1,8
A	column 3, line 24 - column 4, line 7; figure 2 -----	2-7

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			JP 2000029400 A	28-01-2000
			US 6239716 B1	29-05-2001
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			DE 69515969 D1	04-05-2000
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